

# Carbon (CO2e) Audit

## Explorer package 2020



### Charlie Head Sup



### Paddle-board

	KgCO2e / Kg	Kg	KgCO2e	tCO2e
Board and paddle (PVC)	3.413	17	58.021	0.058021
Paddle (Carbon Fibre)	29.45	1	29.45	0.02945
Bungee (Nylon)	7.9	0.1	0.79	0.00079
Fin (Carbon Fibre)	29.45	0.3	8.835	0.008835
Lease (Polyurethane Flex)	4.99	0.22	1.0978	0.0010978
Handle (Neoprene)	4.46	0.07	0.3122	0.0003122
Handle (Nylon)	7.9	0.07	0.553	0.000553
<b>Total</b>		<b>18.76</b>	<b>99.059</b>	<b>0.099059</b>

Gas	KgCO2e / Kg	Kg	KgCO2e
Gas	2.533	0.24	0.60792
Container (ALU)	9.12264	0.1	0.912264
<b>Total</b>		<b>0.34</b>	<b>1.520184</b>

## Equipment

	kgCO2e / Kg	Kg	KgCO2e	tCO2e
<b>Wetsuit (Neoprene)</b>	4.46	3	13.38	0.01338
<b>Wetsuit boots and gloves (Neoprene)</b>	4.46	0.72	3.2112	0.0032112
<b>Rucksack (125L) Polyester</b>	4.032	0.6425	2.59056	0.00259056
<b>Rucksack (125L) Polyurethelene</b>	4.99	0.6425	3.206075	0.003206075
<b>Bags (Nylon)</b>	7.9	0.4	3.16	0.00316
<b>Bags (PVC)</b>	3.413	0.4	1.3652	0.0013652
<b>Bag (PVC)</b>	3.413	0.73	2.49149	0.00249149
<b>Single Bag (Nylon)</b>	7.9	0.115	0.9085	0.0009085
<b>Single Bag (PVC)</b>	3.413	0.115	0.392495	0.000392495
<b>Flysheet Fabric (Polyester)</b>	4.032	0.5	2.016	0.002016
<b>Groundsheet Fabric (Polyester)</b>	4.032	0.5	2.016	0.002016
<b>Inner Fabric (Polyester)</b>	4.032	0.25	1.008	0.001008
<b>Poles ( Aluminium )</b>	9.12264	0.75	6.84198	0.00684198
<b>Bed Mat (Polyester)</b>	4.032	0.44	1.77408	0.00177408
<b>Sleeping bag (Polyester)</b>	4.032	1.645	6.63264	0.00663264
<b>Cooking pan (Steel)</b>	3.894	0.24	0.93456	0.00093456
<b>Water bottle (Steel)</b>	3.894	0.11385	0.4433319	0.0004433319
<b>Hydration Vest (Nylon)</b>	7.9	0.32	2.528	0.002528
<b>Rope (Nylon)</b>	7.9	0.7	5.53	0.00553
<b>Rope bag (Nylon)</b>	7.9	0.12	0.948	0.000948

	kgCO2e / Kg	Kg	KgCO2e	tCO2e
<b>Clothes</b>	22.31	8	178.48	0.17848
<b>Food</b>	/	/	219	0.219
<b>First Aid</b>	4.032	0.8	3.2256	0.0032256
<b>Food Packaging (ALU)</b>	9.12264	2.5	22.8066	0.0228066
<b>Tech (approx)</b>	4	3	12	0.012
<b>Total</b>		18.08885	496.8903119	<b>0.4936647119</b>

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DEFRA. Carbon conversion factors. 2020.

EPA. Environmental Protection Agency. 2019

	KgCO2e	Kg	tCO2e
<b>PVC</b>	59.778695	17.515	0.059778695
<b>Polyester</b>	16.03728	3.335	0.01603728
<b>Nylon</b>	13.509	1.505	0.013509
<b>Carbon Fibre</b>	38.285	1.3	0.038285
<b>Polyurethelene</b>	4.303875	0.8625	0.004303875
<b>Aluminium</b>	6.84198	0.75	0.00684198
<b>Neoprene</b>	16.9034	3.79	0.0169034
<b>Gas</b>	1.520184	0.34	0.001520184
<b>Textiles</b>	178.48	8	0.17848
<b>Food</b>	250		0.25
<b>TOTAL</b>	585.659414	37.3975	0.585659414